

NOMENCLATURAL CHANGES AND NEW SUBSPECIES IN THE CENTROSPERMAE OF THE GALÁPAGOS ISLANDS

UNO ELIASSON

ALTERNANTHERA FILIFOLIA (Hook. f.) Howell ssp. **glaucescens** (Hook. f.) Eliasson, comb. nov. *Bucholtzia glaucescens* Hook. f., Trans. Linn. Soc. London 20:191. 1847. *Telanthera glaucescens* Moq. in D.C., Prodr. 13:369. 1849. *T. strictiuscula* Anderss., Kongl. Vetensk. Acad. Handl. 1853:166. 1855. *T. angustata* Anderss., Kongl. Svenska Vetenskapsakad. Handl. 1857:61. 1861. *Achyranthes glaucescens* Standley, J. Wash. Acad. Sci. 5:74. 1915. *A. strictiuscula* Standley, J. Wash. Acad. Sci. 5:75. 1915. *Alternanthera glaucescens* Howell, Proc. Calif. Acad. Sci. IV. 21:104. 1933. *A. glaucescens* f. *strictiuscula* Howell, Proc. Calif. Acad. Sci. IV. 21:105. 1933.

This subspecies apparently is restricted to Isla San Cristóbal.

ALTERNANTHERA FILIFOLIA (Hook. f.) Howell ssp. **microcephala** Eliasson, ssp. nov. *A. glaucescens* f. *strictiuscula* sensu Eliasson, Svensk. Bot. Tidskr. 60:143. 1966, not Howell, 1933.

Caules non multos ramos dimittentes, tenues, nonnumquam subglauci; internodia 5–8 cm longa; folia inferiora linearia vel lineariolanceolata, 3–4 cm longa, 2–7 mm lata, glabra; folia superiora filiformia vel linearia, 2–4 cm longa, 0.5–1 mm lata, glabra; capitula superior parte plantae pauca, terminalia vel in brevibus pedunculis axillaribus posita, rotundata, diametro 3–4 mm; flores laxo imbricati, apicibus rectis.

Holotype. Bahía Sullivan, 170 m, Isla San Salvador, Ecuador, *Inga & Uno Eliasson 1393* (S).

Apparently restricted to Isla Bartolomé and to the adjacent areas of Isla San Salvador.

ALTERNANTHERA FILIFOLIA (Hook. f.) Howell ssp. **nudicaulis** (Hook. f.) Eliasson, comb. nov. *Bucholtzia nudicaulis* Hook. f., Trans. Linn. Soc. Lond. 20:191. 1847. *Telanthera nudicaulis* Moq. in DC., Prodr. 13:369. 1849. *Achyranthes nudicaulis* Standley, J. Wash. Acad. Sci. 5:74. 1915. *Alternanthera nudicaulis* Christoph., Nyt Mag. Naturvidensk. 70:73. 1931.

Known only from Isla Santa María.

ALTERNANTHERA FILIFOLIA (Hook. f.) Howell ssp. **pintensis** Eliasson, ssp. nov.

Caules admodum ramosi, superiore saltem parte trichomatibus albis subramosis praediti; internodia 3–5 (–7) cm longa; folia oblanceolata vel oblongo-lanceolata, 2–3 (–6) cm longa, 4–7 (–15) mm lata, praesertim infra trichomatibus albis stellatis praedita; capitula solitaria vel 2–7-glomerata, ovoidea vel cylindrica, 5–8 mm longa, 3–4 mm lata;

flores admodum dense imbricati sed apicibus liberis rectis; flores trichomatibus densis subflavis simplicibus praediti.

Intermediate in characters between *A. filifolia* ssp. *nudicaulis* and *A. snodgrassii*.

Holotype. At an altitude of about 200 m, Isla Pinta, Galápagos Islands, Ecuador, *Inga & Uno Eliasson 2151* (s).

Known only from Isla Pinta.

ALTERNANTHERA FILIFOLIA (Hook. f.) Howell ssp. **rabidensis** Eliasson, ssp. nov.

Caules et rami superiore parte trichomatibus simplicibus albis praediti; internodia 2–5 cm longa; folia oblanceolata, 2–3 cm longa, 4–7 (–10) mm lata, praesertim infra trichomatibus simplicibus albis praedita; capitula solitaria vel 2–4—glomerata, rotundata vel cylindrica, 4–10 mm longa, 3–4 mm lata; flores laxe imbricati apicibus leviter incurvatis; flores trichomatibus subflavis simplicibus praediti.

Holotype. On top of island, at an altitude of about 390 m. Isla Rábida, Ecuador, *Inga & Uno Eliasson 1414* (S).

Known only from Isla Rábida.

FRÖELICHIA NUDICAULIS Hook. f. ssp. **lanigera** (Anderss.) Eliasson, comb. nov. *F. lanigera* Anderss., Kongl. Svenska Vetenskapsakad. Handl. 1857:63. 1861. *F. lanata* Anderss., Kongl. Svenska Vetenskapsakad. Handl. 1857: pl. 3, fi. 1. 1861. *F. scoparia* Robins., Proc. Amer. Acad. Arts 38:136. 1902. *F. lanigera* ssp. *scoparia* Howell, Proc. Calif. Acad. Sci. IV. 21:116. 1933.

Occurring on fresh lava fields, especially at high altitudes, on Islands Fernandina and Isabela.

MOLLUGO FLAVESCENS Anderss. ssp. **gracillima** (Anderss.) Eliasson, comb. nov. *M. gracillima* Anderss., Kongl. Vetensk. Akad. Handl. 1853: 226. 1855. *M. gracilis* Anderss., Kongl. Svenska Vetenskapsakad. Handl. 1857: pl. 15, fig. 3. 1861. *M. gracillima* Anderss. ssp. *latifolia* Howell, Proc. Calif. Acad. Sci. IV. 21:17. 1933. *M. flavescens* Anderss. ssp. *angustifolia* Howell, Proc. Calif. Acad. Sci. IV. 21:18. 1933. *M. flavescens* Anderss. ssp. *intermedia* Howell, Proc. Calif. Acad. Sci. IV. 21:18. 1933.

MOLLUGO FLAVESCENS Anderss. ssp. **insularis** (Howell) Eliasson, comb. nov. *M. insularis* Howell, Proc. Calif. Acad. Sci. IV. 21:19. 1933.

Known only from Islas San Cristóbal and Santa María.

MOLLUGO FLAVESCENS Anderss. ssp. **striata** (Howell) Eliasson, comb. nov. *M. striata* Howell, Proc. Calif. Acad. Sci. IV. 21:19. 1933.

Known only from the type collection (*Stewart 1477*, CAS), from Isla Wolf.

MOLLUGO FLORIANA (Robins.) Howell ssp. **santacruziana** (Christoph.) Eliasson, comb. nov. *M. snodgrassii* Robins. var. *santacruziana* Christoph., Nyt Mag. Naturvidensk. 70:75. 1931.

Known only from the type collection, taken at "Academy Bay," Isla Santa Cruz (*Rorud* 1230).

ANREDERA **ramosa** (Moq.) Eliasson, comb. nov. *Tandonia ramosa* Moq., in D.C. Prodr. 13:227. 1849. *Boussingaultia ramosa* Hemsley, Biol. Centr.-Amer. 3:27. 1882. *B. baselloides* in Galápagos literature, not H.B.K., 1825.

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A NEW SPECIES OF POLYGONUM (POLYGONACEAE)

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During the course of study in preparing a revision Section *Avicularia* of the genus *Polygonum*, (Coolidge, 1964) a group of specimens were found which possessed characteristics distinct enough to warrant description as a new species.

Polygonum triandrous Coolidge, sp. nov. Herba annualis; erecta; 1 vel 4 dm longa; folia lineari-lanceolata vel linearia, 2 vel 4 cm longa; inflorescentia axillaris; 2 vel 3 flores in axilla foliorum; flores erectae, 2 vel 3.5 cm longae, virides marfinibus roseis vel albis; stamina 3; achonium ovoideum, 3 mm longum, atrum, glabrum.

Annual; erect, glabrous except glaucescent or scurfy at nodes; stem 1 to 4 dm long, terete, branched from the base or throughout; leaves linear-lanceolate or linear, 2 to 4 cm long, 3 to 5 mm wide, revolute or flat, light green, glaucous on upper surface, acute, midvein prominent, articulation to ocrea conspicuous; ocrea 2-parted when young, lacerate with age, silvery with reddish-brown base, 4 to 5 mm long; pedicels stout, 2 mm long; inflorescence axillary, 2 to 3 flowers in the axils throughout the length of stem; articulated with the flower at the flower base, flower and fruit erect, 3 to 3.5 mm long, green with pink or white margins; calyx segments ovate, obtuse, 5 -parted to near the base; stamens 3, 1.5 mm long, anthers white, filaments dilated gradually; style 0.1 to 0.2 mm long, 3-cleft to near the base; achene ovoid, 3 mm long, black, smooth and shining (fig. 1).

Type. Idaho: Blaine Co., along trail to Hyndman Peak, *W. H. Baker* 11005 (ID-holotype, ARIZ, MONTU, NY, OSC, RM, UC, WS, WTU).

Numerous collections of *P. triandrous* from herbaria throughout the western states have been examined. In most cases, it has been identified as *P. sawatchense* Small and does appear to be most closely allied with